

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/22615

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B21D 39/03; C23C 14/34

US CL : 29/428; 204/298.12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 29/428; 204/298.12, 298.13

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- A	US 5,947,053 A (BURNHAM et al.) 07 September 1999 (07.09.1999). See column 4, lines 58-67.	10, 11 ----- 1-9, 12
X --- A	US 6,085,966 A (SHIMOMUKI et al.) 11 July 2000 (11.07.2000). See Figure 1 and column 4, lines 4-31.	10, 11 ----- 1-9, 12
X --- A	US 2003/0014140 A1 (NAKAJIMA et al.) 16 January 2003 (16.01.2003). See Figure 7 and page 1, paragraphs [0002] and [0003].	10, 11 ----- 1-9, 12
X --- A	US 6,330,013 B1 (KASHIWAYA et al.) 11 December 2001 (11.12.2001). See Figure 4 and column 14, lines 17-22.	10, 11 ----- 1-9, 12

☒ Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

11 January 2005 (11.01.2005)

Date of mailing of the international search report

09 FEB 2005

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — A	US 5,282,943 A (LANNUTTI et al.) 01 February 1994 (01.02.1994). See Figure 1; column 3, lines 12-17; and column 4, lines 15-18.	10, 11 — 1-9, 12
X — A	US 4,597,847 A (BOYS) 01 July 1986 (01.07.1986). See Figure 4A and column 7, lines 12-25.	10, 11 — 1-9, 12

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Continuation of Item 4 of the first sheet:
The title is too long. The new title is as follows:

Sputtering Target Having Low Conductivity Backing Plate

Continuation of B. FIELDS SEARCHED Item 3:
EAST BRS
search terms: sputtering target, conductivity, backing plate